

What is claimed is:

1. A catalyst for purification of exhaust gas comprising:  
a carrier, and

a catalyst layer containing an alkali metal and/or an  
5 alkaline earth metal, the catalyst layer being loaded on the  
carrier,

in which catalyst the carrier-composing material contains Si  
in an amount of 0.5 to 10.0% by weight as expressed as an  
oxide.

10 2. A catalyst for purification of exhaust gas according to  
Claim 1, wherein the carrier-composing material contains Si  
in an amount of 1.0 to 6.0% by weight as expressed as an  
oxide.

15 3. A catalyst for purification of exhaust gas according to  
Claim 1, wherein the carrier has a thermal expansion  
coefficient of  $6.0 \times 10^{-6}/^{\circ}\text{C}$  or less.

4. A catalyst for purification of exhaust gas according to  
Claim 1, wherein the carrier-composing material is aluminum  
titanate.

20 5. A catalyst for purification of exhaust gas according to  
Claim 4, wherein the carrier-composing material further  
contains Mg and/or Fe.

6. A catalyst for purification of exhaust gas according to  
Claim 1, wherein the catalyst layer contains K.

25 7. A catalyst for purification of exhaust gas according to  
Claim 1, wherein the carrier is a honeycomb carrier. 502/527.19

8. A catalyst for purification of exhaust gas according to  
Claim 1, wherein the catalyst layer contains at least one  
kind of noble metal selected from Pt, Pd and Rh.

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